



TBAB BELT DRIVE TURBO BLOWERS

HAUCK TBAB BELT DRIVE TURBO BLOWER

HIGH PERFORMANCE - LOW COST—Hauck TBAB Belt Drive Fiberglass Turbo Blower offers more cfm at less cost.

WIDE PRESSURE-VOLUME RANGE—Hauck's TBAB Turbo Blower now offers a wide range of pressure & cfm. Pressures 7 to 40 osig and cfm from 90 to 90,000 assures positive selection of the proper blower size for your specific requirements.

99 TBAB BLOWER-MOTOR COMBINATIONS—The Hauck TBAB Turbo Blower is manufactured in 20 sizes. Coupled with 17 motor sizes, this produces 99 combinations of blower and motor for the broadest line marketed. Motors available with either CW or CCW rotation. Fourteen (14) discharge positions, which can be easily changed in the field.

ENGINEERING/CONSTRUCTION—Hauck Fiberglass Turbo Blowers are the product of quality engineering and rugged construction. The precision turbine type impeller and molded involute scroll combine to produce the highest efficiencies available today. This, of course, means lowest operating costs. The heavy rugged construction used throughout the TBAB series assures you years of trouble-free service.

EASY MAINTENANCE—Although the Hauck TBAB Turbo Blower is relatively maintenance free, preventative maintenance is required. Special care has been taken to ensure ease of these requirements. Heavy duty, high speed bearings are readily accessible for lubrication. Easy, one step, positive motor adjusting rails, (furnished on Arrangement No. 9) for maintaining proper belt tension are featured. Installation and maintenance instruction sheets are furnished with each blower and, if followed, will provide years of trouble-free duty.

EASY SELECTION—In order to select proper size blower you must know the following information:

1. Capacity (cu. ft/min)
2. Pressure of System Resistance (inches w.c.)
3. Air Density - Performance ratings shown in Multi-Rating Tables are based on standard air at blower inlet with a density at .0749 lbs. per cu. ft. - See Table 1 for variations from standard density condition.

Select proper blower from Quick Selection Chart (page 4). For specific speed and hp requirements, refer to Multi-Rating Tables.

TESTED DESIGN—Hauck TBAB Multi-Rating Tables are based on tests conducted in accordance with ASME PTC 10-1965. This standard exceeds the requirements of AMCA Bulletin 210 code. Tests were conducted with open inlet and ducted discharge.

All ratings shown in multi-rating tables include losses caused by bearing friction and drives. (Motor Shaft Horsepower shown as MHP)

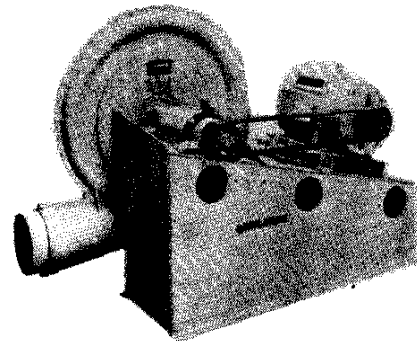
It is common practice to show HP as BHP (horsepower required at blower shaft). Hauck has provided you with exact information showing MHP (horsepower required at motor shaft), not a theoretical rating which disregards the losses of driving components. Therefore, motor may be selected from multi-rating tables without fear of undersizing due to hidden losses.

ARRANGEMENTS



Arrangement No. 1 (Model - TBAB1)

Consists of two (2) heavy duty outboard bearings mounted on a steel pedestal. Impeller is overhung. Shaft extends beyond the pedestal and is keyed for V-Belt Drive or coupling mounting (Direct Drive).



Arrangement No. 9 (Model - TBAB9)

Consists of two (2) heavy duty outboard bearings mounted on a steel pedestal. Impeller is overhung. Motor is mounted on side of bearing pedestal, (See page 6 for standard mounting positions) for self contained V-Belt Drive unit.

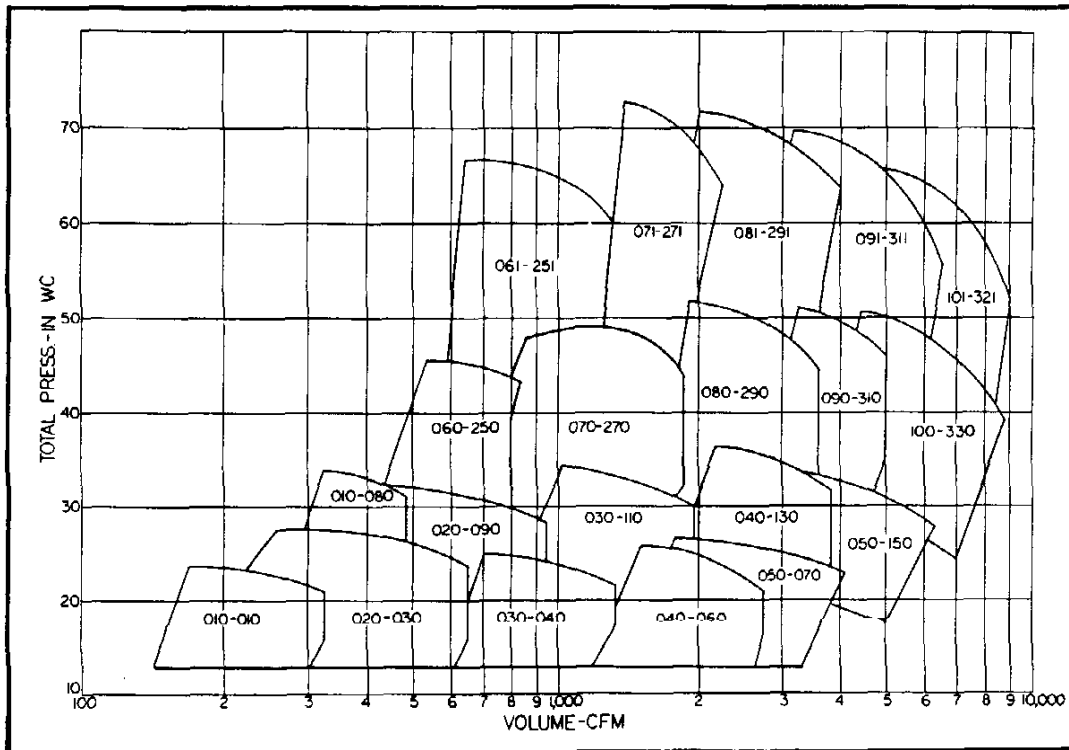


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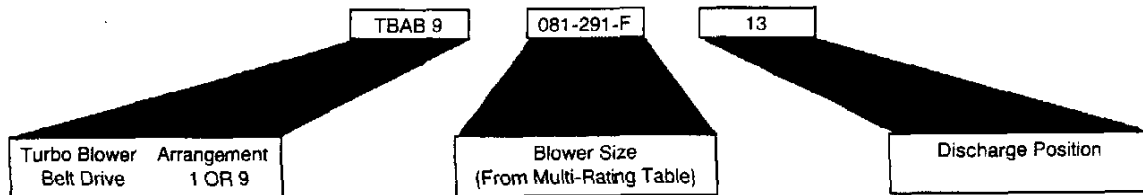
HAUCK QUICK SELECTION CHART

The Quick Selection Chart below combines considerations of first cost and operating cost to allow the user to select the proper blower for the application. To determine proper size blower, plot intersection of volume (cfm) and pressure.

EXAMPLE: The intersection of 3040 cfm and 60" total pressure will be found in block labelled 081-291. Refer to Multi-Rating Table for blower size 081-291 for RPM & MHP. In this example, Multi-Rating Table shows blower 081-291-F will produce 3040 cfm at 60" TP at 4145 RPM and 44.7 MHP.



BLOWER MODEL NUMBER SELECTION



ORDERING INFORMATION

To ensure proper and accurate processing of your order, the following information is required:

1. Catalog Blower Model Number
2. Performance Data (cfm, pressure, RPM, and MHP)
3. Special altitude or temperature conditions
4. Accessories required
5. Motor Electrical Specifications (if motor furnished by other than Hauck, specify frame size).
6. V-Belt Drive Selection (if V-Belt Drive furnished by other than Hauck, provide complete spec. of drives).
7. Function — Brief description of system & blower function.

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